BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

EMB

Name of the Work	:	**Construction of RCC Drain and Culverts at Bharathnagra Abubakar Masjid Road in ward no. 06 Byatarayanapura Sub Division**
Work Code	:	**006-20-000171**

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BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
1st and Final bill

Name of work: Construction of RCC Drain and Culverts at Bharathnagra Abubakar Masjid Road in ward no. 06 Byatarayanapura Sub Division

Work Order No: BBMP/EE/BTP/WO/158/2020-21 dt: 10.12.2020

JOB NUMBER: 006-20-000171

Estimate Cost: 90.00 lakhs.

Name of Contractor : Sri. M.L Dhananjaya

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Item No. 19.1/ PWD SR 2018-19								
		Cum							
	Qty Recorded as per Premeasurement Item No. 1 Page No. 2						2470.23	144.66	357343.47
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (PWD SR 2018-19 (Page No. 222, Item No. 27.18)								
		Cum							
	Qty Recorded as per Premeasurement Item No. 2 Page No. 4						143.55	5691.91	817073.68
3	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, HOM, scaffolding, curing complete as per specifications. KBS 5.1.13 Page No. 255/ Item No. 34.9/ PWD SR 2018-19								
		Cum							
	Qty Recorded as per Premeasurement Item No. 3 Page No. 04						52.80	6161.42	322155
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.(PWD Sr 2018-19 P 16 It 4.31)								
		Sqm							
	Qty Recorded as per Premeasurement Item No. 04 Page No. 05						2395.52	398.38	954327.26
5	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19								
		cum							
	Qty Recorded as per Premeasurement Item No. 05 Page No. 05						17.55	5907.79	103681.71
6	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 115/ Item No. 15.1/ PWD SR 2018-19								
	Culverts	Sqm							
a	Abubukar Masjid road R/s upto SWD		2	3.75		0.60	4.50		
			2	3.90		0.60	4.68		
			2	4.40		0.60	5.28		
			2	5.00		0.60	6.00		
b	Abubukar Masjid road R/s from SWD to end		2	6.70		0.60	8.04		
			2	4.20		0.60	5.04		

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			2	6.20		0.60	7.44		
			2	4.70		0.60	5.64		
			2	2.40		0.60	2.88		
c	Abubukar Masjid road L/s from SWD to end		2	4.30		0.60	5.16		
			2	4.20		0.60	5.04		
			2	6.00		0.60	7.20		
			2	6.00		0.60	7.20		
			2	5.80		0.60	6.96		
			2	4.60		0.60	5.52		
						Total Qty	86.58		
						Ltd to	66.00	156.90	10355.40

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

7	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications /Page No. 227 Item No. 28.7.9, PWD SR 2018-19								
	For New RCC Drains Bottom Concrete								
a	Abubukar Masjid road R/s upto SWD		1	38.00	1.20	0.15	6.84		
			1	18.80	1.20	0.15	3.38		
			1	19.20	1.20	0.15	3.46		
			1	30.50	1.20	0.15	5.49		
			1	24.10	1.20	0.15	4.34		
			1	9.60	1.05	0.15	1.51		
b	Abubukar Masjid road R/s from SWD to end		1	31.60	1.20	0.15	5.69		
			1	24.00	1.20	0.15	4.32		
			1	26.00	1.05	0.15	4.10		
			1	30.00	1.05	0.15	4.73		
			1	28.00	1.20	0.15	5.04		
			1	100.00	1.20	0.15	18.00		
			1	24.00	1.20	0.15	4.32		
	For Drain side wall								
a	Abubukar Masjid road R/s upto SWD		2	38.00	0.15	0.70	7.98		
			2	18.80	0.15	0.75	4.23		
			2	19.20	0.15	0.80	4.61		
			2	30.50	0.15	0.90	8.24		
			2	24.10	0.15	0.90	6.51		
			2	9.60	0.15	1.00	2.88		
b	Abubukar Masjid road R/s from SWD to end		2	31.60	0.15	1.10	10.43		
			2	24.00	0.15	1.00	7.20		
			2	26.00	0.15	0.90	7.02		
			2	30.00	0.15	0.90	8.10		
			2	28.00	0.15	0.80	6.72		
			2	100.00	0.15	0.75	22.50		
			2	24.00	0.15	0.75	5.40		

Executive Engineer

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Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

	For Drian Bottom Concrete								
c	Abubukar Masjid road L/s from SWD to end		1	36.20	1.20	0.15	6.52		
			1	51.60	1.05	0.15	8.13		
			1	24.00	1.05	0.15	3.78		
			1	25.00	1.05	0.15	3.94		

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			1	25.20	1.05	0.15	3.97		
			1	25.00	1.05	0.15	3.94		
			1	25.20	1.05	0.15	3.97		
d	Gupta layout main road		1	18.00	1.05	0.15	2.84		
			1	12.00	1.50	0.15	2.70		
	For Drain side wall								
c	Abubukar Masjid road L/s from SWD to end		2	36.20	0.15	1.10	11.95		
			2	51.60	0.15	1.00	15.48		
			2	24.00	0.15	0.90	6.48		
			2	25.00	0.15	0.80	6.00		
			2	25.20	0.15	0.75	5.67		
			2	25.00	0.15	0.75	5.63		
			2	25.20	0.15	0.75	5.67		
d	Gupta layout main road		2	18.00	0.15	0.75	4.05		
			2	12.00	0.25	0.75	4.50		
	for covering slabs		1	18.00	0.75	0.23	3.11		
			1	12.00	1.20	0.23	3.31		
						Total Qty	284.63		
						Ltd to	283.95	3756.45	1634544

Executive Engineer

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

8	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. TMT Bar Fe-500, Page No. 229/ Item No. 28.8.2, PWD SR 2018-19								
		Tonne							
	Qty Recorded as per Premeasurement Item No. 8 Page No. 07						19.88	75928.9	1509465.74
9	**Providing and fixing RCC precast cover slab of 250mm thick** made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For culverts	Sqm							
e	Abubukar Masjid road R/s upto SWD		1	3.75	1.50		5.63		
			1	3.90	1.50		5.85		
			1	4.40	1.50		6.60		
			1	5.00	1.50		7.50		
							0.00		
f	Abubukar Masjid road R/s from SWD to end		1	6.70	1.50		10.05		
			1	4.20	1.20		5.04		
			1	6.20	1.50		9.30		
			1	4.70	1.20		5.64		
			1	2.40	1.20		2.88		
g	Abubukar Masjid road L/s from SWD to end		1	4.30	1.20		5.16		
			1	4.20	1.20		5.04		
			1	6.00	1.20		7.20		
			1	6.00	1.50		9.00		
				5.80	1.20		0.00		
				4.60	1.20		0.00		
						Total Qty	84.89		
						Ltd to	82.50	5687.82	469245.15

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

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10	**Providing and fixing RCC precast cover slab of 100mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	RCC Drain covering slabs	Sqm							
a	Abubukar Masjid road R/s upto SWD		1	38.00	0.90		34.20		
			1	18.80	0.90		16.92		
			1	19.20	0.90		17.28		
			1	30.50	0.90		27.45		
			1	24.10	0.90		21.69		
			1	9.60	0.75		7.20		
b	Abubukar Masjid road R/s from SWD to end		1	31.60	0.90		28.44		
			1	24.00	0.90		21.60		
			1	26.00	0.75		19.50		
			1	30.00	0.90		27.00		
			1	28.00	0.90		25.20		
			1	100.00	0.90		90.00		
			1	24.00	0.90		21.60		
c	Abubukar Masjid road L/s from SWD to end		1	36.20	0.90		32.58		
			1	51.60	0.75		38.70		
			1	24.00	0.75		18.00		
			1	25.00	0.75		18.75		
			1	25.20	0.75		18.90		
			1	25.00	0.75		18.75		
			1	25.20	0.75		18.90		
d	L/s cross road drain		1	22.00	0.90		19.80		
			1	24.20	0.90		21.78		
			1	12.90	0.90		11.61		
	Missing slabs		2	28.00	0.90		50.40		
			2	26.50	0.90		47.70		
			1	27.00	0.90		24.30		
			2	26.00	0.90		46.80		
			2	26.00	0.90		46.80		
			1	28.50	0.90		25.65		
						Total Qty	813.00	2453.38	1994597.94

Assistant Engineer
Ward No. 06
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Assistant Executive Engineer
Byatarayanapura Sub Division

11	KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19								
			Qty. Vide Item No. 1				2470.23	74.56	184180
								Grand Total	8356970.00
								For 12% Applicable GST	1002836.00
								Total Amount	9359806.00

Round off 9359800.00

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Ward No. 06
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Assistant Executive Engineer
Byatarayanapura Sub Division
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